

## OPINION 1799

### *Naucrates* Rafinesque, 1810 and *Xyrichtys* Cuvier, 1814 (Osteichthyes, Perciformes): conserved

#### Ruling

- (1) Under the plenary powers the following generic names are hereby suppressed:
  - (a) *Hemipteronotus* Lacépède, 1801 for the purposes of the Principle of Priority but not for those of the Principle of Homonymy;
  - (b) *Centronotus* Lacépède, 1801, and all uses of the name *Centronotus* prior to the publication of *Centronotus* Bloch & Schneider, 1801, for the purposes of both the Principle of Priority and the Principle of Homonymy.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
  - (a) *Naucrates* Rafinesque, 1810 (gender: masculine), type species by subsequent designation by Jordan & Gilbert (1883) *Gasterosteus ductor* Linnaeus, 1758;
  - (b) *Xyrichtys* Cuvier, 1814 (gender: masculine), type species by subsequent designation by Jordan & Gilbert (1883) *Coryphaena novacula* Linnaeus, 1758.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
  - (a) *ductor* Linnaeus, 1758, as published in the binomen *Gasterosteus ductor* (specific name of the type species of *Naucrates* Rafinesque, 1810);
  - (b) *novacula* Linnaeus, 1758, as published in the binomen *Coryphaena novacula* (specific name of the type species of *Xyrichtys* Cuvier, 1814).
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
  - (a) *Hemipteronotus* Lacépède, 1801, as suppressed in (1)(a) above;
  - (b) *Centronotus* Lacépède, 1801, as suppressed in (1)(b) above.

#### History of Case 2842

An application for the conservation of the generic names *Naucrates* Rafinesque, 1810 and *Xyrichtys* Cuvier, 1814 was received from Drs John E. Randall (*Bishop Museum, Honolulu, Hawaii, U.S.A.*) and M.L. Bauchot (*Muséum National d'Histoire Naturelle, Paris, France*) on 2 February 1992. After correspondence the case was published in BZN 50: 277–281 (December 1993). Notice of the case was sent to appropriate journals.

It was noted on the voting paper that both the generic names *Naucrates* Rafinesque, 1810 (type species *Gasterosteus ductor* Linnaeus, 1758) for the pilotfish, and *Xyrichtys* Cuvier, 1814 (type species *Coryphaena novacula* Linnaeus, 1758) for the razorfishes, were threatened by the senior subjective synonym *Hemipteronotus* Lacépède, 1801. *H. quinquemaculatus* Lacépède, 1801, the type species of *Hemipteronotus*, related by description to the pilotfish and by reference to both this and to the razorfish *Coryphaena pentadactyla* Linnaeus, 1758. Linnaeus's nominal species *C. pentadactyla* was itself composite, including references to both the pilotfish and the razorfish, until restricted by Gmelin ([1789]) and subsequent authors to the razorfish (currently known as *Xyrichtys pentadactyla*). Suppression of *Hemipteronotus* was proposed.

*Xyrichtys* Cuvier, 1814 was based on three species of razorfish (*pentadactyla* and *novacula* of Linnaeus, 1758, and *coerulea* Bloch, 1786), all of which were originally included with the dolphins in *Coryphaena* Linnaeus, 1758.

*Naucrates* Rafinesque, 1810 had been universally adopted for the pilotfish whilst the senior synonym *Centronotus* Lacépède, 1801 had remained unused. Until recently vol. 3 of Lacépède's *Histoire naturelle des poissons*, in which a number of new names first appeared, had been thought to date from 1802 and *Centronotus* Lacépède had been treated as a junior homonym of *Centronotus* Bloch & Schneider, 1801. Jordan's (1917) statement that *Centronotus* Lacépède was replaced by *Naucrates* had been made on this basis. Roux (1973), however, demonstrated that Lacépède's work dates from October 1801; in the absence of an exact date for the publication of Bloch & Schneider's work it is deemed to have appeared in December 1801. Suppression of *Centronotus* Lacépède was proposed.

### Decision of the Commission

On 1 September 1994 the members of the Commission were invited to vote on the proposals published in BZN 50: 279–280. At the close of the voting period on 1 December 1994 the votes were as follows:

Affirmative votes — 22: Bayer, Bock, Bouchet, Cocks, Cogger, Corliss, Hahn, Heppell, Kabata, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Savage, Starobogatov, Štys, Thompson, Trjapitzin, Willink

Negative votes — 1: Holthuis.

Schuster abstained.

No votes were received from Halvorsen and Uéno.

Dupuis, Kraus and Ride were on leave of absence.

### Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

*Centronotus* Lacépède, 1801, *Histoire naturelle des poissons*, vol. 3, p. 309.

*ductor*, *Gasterosteus*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 295.

*Hemipteronotus* Lacépède, 1801, *Histoire naturelle des poissons*, vol. 3, p. 214.

*Naucrates* Rafinesque, 1810, *Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia* ..., p. 43.

*novacula*, *Coryphaena*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 262.

*Xyrichtys* Cuvier, 1814, *Bulletin des Sciences, par la Société Philomatique de Paris*, 1814: 87.

The following is the reference for the designation of *Gasterosteus ductor* Linnaeus, 1758 as the type species of the nominal genus *Naucrates* Rafinesque, 1810, and *Coryphaena novacula* Linnaeus, 1758 as the type species of the nominal genus *Xyrichtys* Cuvier, 1814:

Jordan, D.S. & Gilbert, C.H. 1883. *Bulletin of the United States National Museum*, 16: 443, 605 (respectively).